



V. Barron
8-29-84

5/a

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:)
William A. Cook et al.) Before the Examiner
Serial No. 542,590) M. Shein
Filed October 17, 1983) Group Art Unit 335
EXERCISE RESPONSIVE) August 20, 1984
CARDIAC PACEMAKER)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C.

AMENDMENT AFTER FIRST ACTION

20231 on

Aug 20, 1984

Hon. Commissioner of Patents and Trademarks
Washington, D. C. 20231

Sir:

(Date of Deposit)

STEVE E. LIAOS
Name of applicant, assignee, or
Registered Representative

Signature
Aug 20, 1984

Date of Signature

In response to the Office Action dated March 20, 1984,
please enter the following amendment in the above
identified patent application.

IN THE CLAIMS:

Please cancel claims 1 through 9.

Please amend claim 10 as follows:

10. (Amended) A catheter-based sensor and stimulus
means for an exercise responsive cardiac pacemaker
including pacing circuitry for providing electrical
stimulation of a heart based upon the level of muscular
exertion, comprising:

a sensor means for sensing blood temperature, said
sensor means having a pair of electrical leads;

a stimulus means for applying an electrical stimulus
to a heart; [and]